



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ehreth et al.  
Serial No. : 10/675,585  
Filed : September 29, 2003  
Title : NEXT GENERATION GATEWAY

Art Unit : 2644  
Examiner : Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. No fee is believed to be due. If, however, there are any charges or credits, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,

Date: APRIL 2, 2004

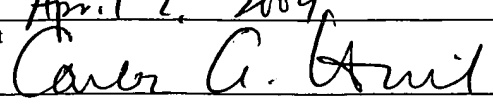
  
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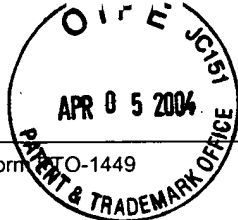
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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

April 2, 2004  
Date of Deposit  
  
Signature

Carlos A. BRASIL  
Typed or Printed Name of Person Signing Certificate



Substitute Form (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12209-004001	Application No. 10/675,585
	Applicant Ehreth et al.			
	Filing Date September 29, 2003		Group Art Unit 2644	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,381,405 A	01/10/95	Daugherty et al.			
	AB	6,272,217 B1	08/07/01	Cornes et al.			
	AC	6,366,662 B1	04/02/02	Giordano et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	International Search Report, International Application No.: PCT/US03/30768, March 4, 2004, p. 1.
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30768

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 12/12

US CL : 370/271

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 370/271, 420

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,272,217 B1 (CORNES et al) 07 August 2001 (07.08.2001), column 7, lines 35-56.	1, 17, 26
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Y		2-16, 18-25
Y	US 5,381,405 A (DAUGHERTY et al) 10 January 1995 (10.01.1995), column 2, lines 49-58; column 8, lines 29-31; column 11, lines 22-27; column 13, lines 14-18.	2-4, 8-14, 21-23
Y	US 6,366,662 B1 (GIORDANO et al) 02 April 2002 (02.04.2002), column 3, lines 49-58; column 4, lines 13-15 and 47-49.	5-7, 11, 13-15, 18-20, 21-25

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

19 February 2004 (19.02.2004)

Date of mailing of the international search report

04 MAR 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US

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